GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:5772
ANSWERED ON:25.04.2001
NEW IRRADIATION TECHNIQUE
GANGASANDRA SIDDAPPA BASAVARAJ;Y.S. VIVEKANANDA REDDY

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) whether the Bhabha Atomic Research Centre Mumbai has come out with a new irradiation technique;

(b) if so, the salient features thereof;

(c) the beneficial effects thereof; and

(d) the time by which the technique in likely to become commercially viable?

Answer

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (SMT. VASUNDHARA RAJE)

(a) Yes, Sir.

(b) The Electron Beam Irradiation Technology has beendeveloped by the Bhabha Atomic Research Centre (BARC) and is being used for the last 3-4 years. This technology offers capability of processing Polymeric materials for their improved properties (without using chemical initiators) at room temperature & at extremely fast rates.

(c) The Electron Beam Irradiation is suitable for a rangeof high technology products and provides superior products, consuming less energy and materials.

(d) Irradiation of industrial products for commercial utilisation using Electron Beam Irradiation technology has already been started.